

Appl. No.: 10/029,968  
Filed: December 31, 2001  
Amdt. dated 03/31/2006

Amendments to the Claims:

Claims 1-18 (Cancelled)

19. (Currently Amended) A mobile communication terminal comprising:

a digital camera having an angle of view,

an infrared transceiver for emitting a beam of infrared light through an infrared port and through which a wireless connection is also provided between the terminal and other devices, whereby the angle of view of the digital camera and the infrared light beam are directed such that a substantial part of the angle of view is overlapped by the emitted infrared light beam so that objects in the angle of view may be illuminated by the infrared light beam and the transceiver receives through the port receiving infrared light reflected by the objects which are illuminated by the beam of infrared light,

wherein the mobile communication terminal comprises a mobile phone.

20. (Previously Presented) A mobile communication terminal according to claim 19, wherein:

the infrared light beam is movable and the direction of the infrared light beam is substantially aligned with the angle of view.

21. (Previously Presented) A mobile communication terminal according to claim 19, comprising:

an infrared filter which is movable in and out of the light path into the camera.

22. (Previously Presented) A mobile communication terminal according to claim 21, wherein:

the infrared filter has a first position in the light path and a second position out of the light path.

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23. (Previously Presented) A mobile communication terminal according to claim 22, comprising:

an electro-mechanical or electronic actuator which moves the infrared filter from the first position to the second position and back.

24. (Previously Presented) A mobile communication terminal according to claim 19, comprising:

a display which displays the image captured by the camera.

25. (Previously Presented) A mobile communication terminal according to claim 19, wherein:

an image captured by the camera is refreshed at regular intervals.

26. (Previously Presented) A mobile communication terminal according to claim 19, wherein:

at least 60% of the viewing angle is overlapped by the infrared light beam.

27. (Previously Presented) A mobile communication terminal according to claim 26, wherein:

at least 80% of the viewing angle is overlapped by the infrared light beam.

28. (Previously Presented) A mobile communication terminal according to claim 27, wherein:

at least 90% of the viewing angle is overlapped by the infrared light beam.

29. (Previously Presented) A mobile communication terminal according to claim 19, wherein:

the digital camera uses software which processes captured digital images.

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30. (Previously Presented) A mobile communication terminal according to claim 19, comprising:

a focusing system which focuses the light coming into the camera and which provides a first setting adjusted to characteristics of visual light and a second setting adjusted to the characteristics of the infrared light beam.

31. (Previously Presented) A mobile communication terminal according to claim 19, comprising:

a lens cover having a first position covering the lens of the camera and a second position exposing the lens.

32. (Previously Presented) A mobile communication terminal according to claim 31, comprising:

an actuator which moves the lens cover from the first position to the second position and back to the first position.

33. (Previously Presented) A mobile communication terminal according to claim 31, comprising a handle having a first position associated with the first position of the lens cover, the handle having a second position associated with the second position of the lens cover and the first position of the infrared filter, and the handle having a third position associated with the second position of the infrared filter.

34. (Currently Amended) A method of capturing infrared images comprising the steps of:

providing a mobile ~~communication terminal~~ phone comprising a digital camera, an infrared transceiver which emits a beam of infrared light and an infrared port through which the beam of infrared light is emitted and through which a wireless connection is provided between the ~~terminal~~ mobile phone and other devices; and

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illuminating objects with the beam of infrared light emitted by the transceiver through the infrared port and receiving infrared light with the receiver through the infrared port which is reflected from the objects by illumination with the infrared light beam.

35. (Currently Amended) A method according to claim 34, comprising the step of:  
arranging the digital camera and the transceiver in substantially a same direction of view  
of objects on the mobile ~~communication terminal~~ phone.

36. (Previously Presented) A method according to claim 34, further comprising the steps of:  
providing an infrared filter used when capturing images with visible light; and  
removing the infrared filter from the light path into the camera when capturing infrared images.

37. (Previously Presented) A method according to claim 35, further comprising the steps of:  
providing an infrared filter used when capturing images with visible light; and  
removing the infrared filter from a path of the infrared light beam into the camera when the transceiver captures infrared images from the illuminated objects..

38. (Previously Presented) A method according to claim 34, wherein:  
the camera comprises an auto focus system and further comprising the step of adjusting settings of the auto focus system to characteristics of the infrared light when capturing infrared images from the illuminated objects.

39. (Currently Amended) A method according to claim 34, wherein:  
the mobile ~~communication terminal~~ phone comprises a display and further comprising the step of displaying images captured by the digital camera on the display.

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40. (Currently Amended) A method according to claim 39, comprising the step of:  
capturing and displaying the images at intervals which permits the mobile  
communication terminal to be used as a night vision device.